

SmartSTACK FAST ETHERNET SWITCH

SINGLE DC REDUNDANT POWER SUPPLY UNIT

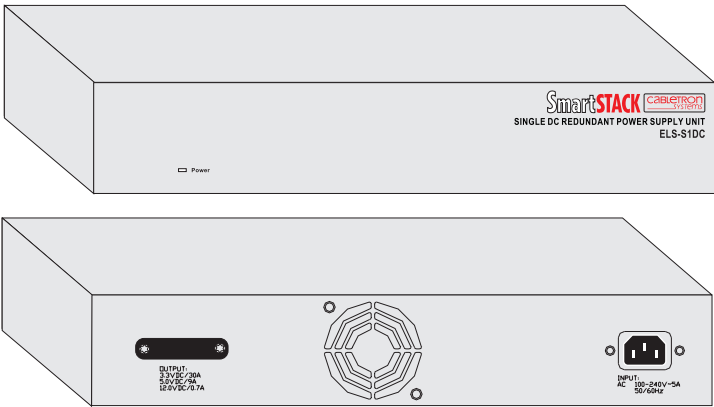
Cabletron System's ELS-S1DC Redundant Power Supply Unit (RPU) can supply 150 Watts of backup power to a single Cabletron System's SmartSTACK ELS100-S24TX2M switch in the event of an AC loss or failure of an internal power supply. Please check with Cabletron Systems for information on the devices supported by this RPU.

Features and Benefits

- Supports one Cabletron System's SmartSTACK ELS100-S24TX2M switch
- AC line cord can draw power from a different supply circuit
- DC line cord provides backup power to the attached device

Front and Rear Panels

A Power indicator is located on the RPU’s front panel. While the AC supply and DC backup receptacles are located on the RPU's rear panel.



The Power LED can be used to verify if this unit is functioning properly. The following table details the indicator function provided by the ELS-S1DC:

| Status LEDs | | |
|-------------|-----------|--------------------------|
| LED | Condition | Status |
| Power | On | Unit is receiving power. |

INSTALLING THE RPU

The RPU may be placed on a desktop or mounted in a rack.

Warning: DO NOT install this RPU anywhere it may come in contact with water (i.e. floor) Cabletron recommends that this RPU be installed in a network rack.

Equipment Checklist

After unpacking the RPU, check the contents of the box to be sure you’ve received the following items:

- Redundant Power Supply Unit — provides backup power to one Cabletron System's device
- One AC Supply Power Cord — US, Continental Europe or UK
- One DC Backup Power Cord — with D-sub connectors on both ends
- Four Self-adhesive Rubber Feet
- Rack Mounting Kit — brackets and screws
- Star-head screwdriver
- Quick Installation Guide

Desktop or Rack Mounting

You can set the RPU on a desktop or flat surface near a separate AC power source and close to the device to which it is to supply power. Make sure that the mounting surface can safely support the RPU device and that there is adequate space around the RPU for ventilation and cooling.

The ELS-S1DC RPU ships with four (4) rubber feet. Stick the self-adhesive rubber foot pads on each of the four concave spaces located on the bottom of the RPU. The rubber foot pads cushion the RPU against shock/ vibrations and provide space between each device for ventilation.

To mount the RPU in a standard EIA 19-inch rack, use the brackets and screws supplied with the RPU. Use a cross-head screwdriver to attach the brackets to the side of the RPU. Position the RPU in the rack by lining up the holes in the brackets with the appropriate holes on the rack. And then use the supplied screws to mount the RPU in the rack. (Leave about two inches of space at the rear of the RPU to ensure adequate ventilation.)

Making Connections

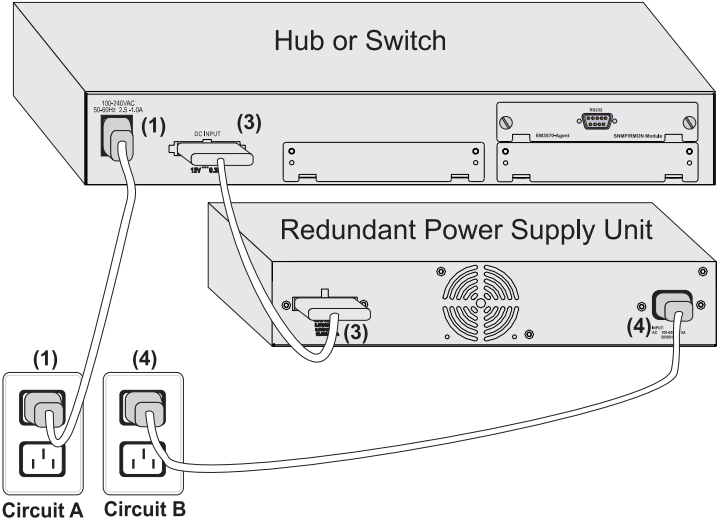
Caution: DO NOT connect the RPU to an AC power source until the DC power cord has been connected to the other device (hub or switch).

1. Connect one end of the AC cord to the AC receptacle on the supported device (hub or switch), and the other end to a grounded power outlet.
2. Use the provided star-head screwdriver to loosen the faceplate screws on the RPU’s output receptacle and remove the faceplates from both the RPU and the supported device (hub or switch).



Star-head Screwdriver

3. Connect one end of the DC cord to the redundant power receptacle on the other device (hub or switch), and the other end to the output receptacle on the RPU.
4. Connect one end of the AC cord to the AC receptacle on the RPU, and the other end to a grounded power outlet. The Power LED on the RPU should light up.



TROUBLESHOOTING

If you experience any problems with the RPU, check the following items before contacting Cabletron Systems Technical Support:

- Ensure that the RPU in the stack is powered up.
- Ensure that the devices attached to the stack are powered up and operating correctly.
- Check the connectors on both ends of the power cable to be sure they are properly engaged. Tighten the screws on the cable connectors to ensure a good connection.



Only qualified personnel should perform installation procedures.

NOTICE

Cabletron Systems reserves the right to make changes in specifications and other information contained in this document without prior notice. The reader should in all cases consult Cabletron Systems to determine whether any such changes have been made.

The hardware, firmware, or software described in this manual is subject to change without notice.

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Printed in Taiwan, R.O.C.

Order Number: 9033267-01 May 2002

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FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment uses, generates, and can radiate radio frequency energy and if not installed in accordance with the operator's manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.

WARNING: Changes or modifications made to this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INDUSTRY CANADA NOTICE

THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.
CET APPAREIL NUMERIQUE DE LA CLASSE B EST CONFORME A LA NORME NMB-003 DU CANADA.

VCCI NOTICE

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取り扱い説明書に従って正しい取り扱いをして下さい。

EC CONFORMANCE DECLARATION

European contact: Cabletron Systems Limited
Nexus House, Newbury Business Park
London Road, Newbury
Berkshire RG13 2PZ, England

This information technology product complies with ISO/IEC Guide 22 and EN45014. It conforms to the following specifications:

EN55022(1988)/CISPR-22(1985) Class B
EN50082-1: IEC 1000-4-2, 3, 4, 6

This information technology product complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the CE Mark accordingly.

SPECIFICATIONS

Receptacle
IEC Socket

Size
12.99 x 5.12 x 2.48 in. (33 x 13 x 6.3 cm)

Weight
7.39 lb. (3.35 kg)

Temperature
Operating: 32° to 131°F (0° to 55°C)
Storage: -40° to 185°F (-40° to +85°C)

Relative Humidity
20% to 90%

Cooling
1 fan on rear

AC Input Power
100 - 240V ~ 5A, 50/60Hz

DC Output Power
+ 3.3 VDC @ 30 A max.,
+ 5 VDC @ 9 A max.,
+ 12 VDC @ 0.7 A max.

DC Power Cable Connector
22-pin

Overload Protection
Reduces output to safe levels when output exceeds 120%

MTBF
50,000 hours minimum

Regulatory Compliances
Safety
UL 1950, CSA C22.2 No. 950, 73/23/EEC, EN 60950, IEC 950
Electromagnetic Compatibility (EMC)
FCC Part 15, CSA C108.8, 89/336/EEC, EN 55022, EN 61000-3-2, EN 61000-3-3, EN 50082-1, AS/NZS 3548, VCCI V-3

Warranty
Three years

QUICK INSTALLATION GUIDE

SmartSTACK
REDUNDANT POWER
ELS-S1DC